

Converting Colors

XYZ(12.4860, 24.6127, 4.0926)

Have a look what the booklet for
XYZ(12.4860, 24.6127, 4.0926)
contains.

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Color

**XYZ(12.4763, 24.5823,
4.0873)**

Conversions

Conversions Part 1

Format	Color
Hex	129E00
RGB	18, 158, 0
RGB Percent	7%, 62%, 0%
CMY	0.9294, 0.3804, 0.9999
CMYK	0.89, 0.00, 1.00, 0.38
HSL	113°, 100%, 31%
HSV	113°, 100%, 62%
XYZ	12.4763, 24.5823, 4.0873
YIQ	98.1280, -32.7220, -78.8180

Conversions

Conversions Part 2

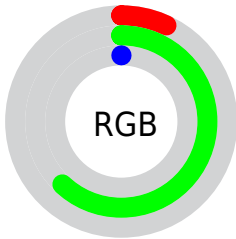
Format	Color
RYB	0, 158, 140
Decimal	1220096
CIELab	56.67, -59.11, 58.32
CIELCh	57, 83.036, 135.384
Yxy	24.5823, 0.3032, 0.5974
Android (android.graphics.Color)	4279410176 (0xFF129E00)
YUV	98.1280, -48.3771, -70.2723
Hunter-Lab	49.5805, -41.8487, 29.8187

Details

The XYZ color **12.4763, 24.5823, 4.0873** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.9901, 8.0460, 33.0066**, and the grayscale version is **11.7649, 12.3775, 13.4791**.

A 20% lighter version of the original color is **30.0078, 51.0349, 14.2304**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **12.4766, 24.5832, 4.0874**, and if you desaturate by 10%, it is **12.9152, 24.7986, 4.5889**.

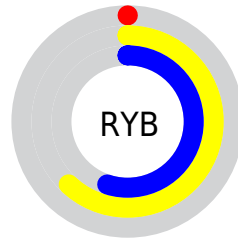
Distribution



Red (7%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (55%)

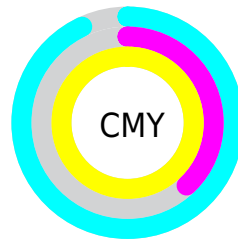


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (93%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4763, 24.5823, 4.0873 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.4763, 24.5823, 4.0873 by changing the saturation by 10% instead.

■ 12.4763, 24.5823,
4.0873

■ 12.4763, 24.5823,
4.0873

201.2397,
275.7513, 149.1908

■ 7.1434, 15.7661,
1.6734

■ 29.9691, 50.9788,
14.2106

■ 3.5991, 9.3588,
0.3424

■ 42.8597, 69.3279,
22.7570

■ 1.4779, 4.9760,
0.0000

■ 59.0002, 91.6234,
34.1847

■ 0.3107, 2.2332,
0.0000

■ 78.7561, 118.2498,
48.9122


■ 0.0000, 0.7380,
0.0000


■ 102.4926,
149.5913, 67.3580

■ 0.0000, 0.0000,
0.0000


■ 130.5751,


186.0325, 89.9407


 163.3690,
227.9577, 117.0788


 12.4763, 24.5823,
4.0873


 12.4763, 24.5823,
4.0873


 12.4766, 24.5832,
4.0874

 12.9152, 24.7986,
4.5889

 13.6097, 25.1378,
5.4740

 14.6126, 25.6241,
6.9092

 15.9551, 26.2721,
8.9643

 17.6644, 27.0945,
11.6988

■ 19.7650, 28.1029,
15.1652

■ 22.2793, 29.3077,
19.4109

■ 25.2279, 30.7186,
24.4793

■ 28.6301, 32.3447,
30.4106

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.7736, 24.5823, 1.2590



12.4763, 24.5823, 4.0873



9.6018, 24.5823, 15.4576

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.4763, 24.5823, 4.0873



18.9824, 24.5823, 118.3487



46.2513, 24.5823, 14.9844

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.4763, 24.5823, 4.0873



16.9901, 8.0460, 33.0066

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.3530, 24.5823, 42.5661



12.4763, 24.5823, 4.0873



28.6493, 24.5823, 117.8518

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.4763, 24.5823, 4.0873



12.5926, 24.5823, 85.3319



39.2456, 24.5823, 84.2434



38.9971, 24.5823, 3.9448

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.4763, 24.5823, 4.0873



9.3176, 24.5823, 32.0767



39.2456, 24.5823, 84.2434



47.1779, 24.5823, 22.0763

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.4769, 24.5833, 4.0879



40.1643, 53.0801, 34.7492



23.4167, 25.9004, 3.7655



8.6293, 11.7630, 7.1120



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.4769, 24.5833, 4.0879



22.5692, 44.5962, 7.4184



13.0585, 24.7872, 8.4514



6.6174, 7.4354, 7.0721



10.0106, 19.6974, 3.2744



0.1969, 0.3614, 0.0594

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.9901, 8.0460, 33.0066



30.7445, 14.5547, 59.9324



16.2795, 8.1410, 12.1306



6.8298, 6.7162, 8.3431



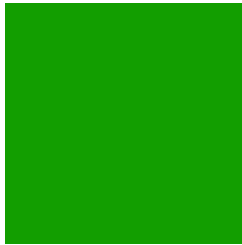
13.6273, 6.4542, 26.4348



0.2627, 0.1252, 0.4736

Previews

White Background



This preview shows how the XYZ color 12.4763, 24.5823, 4.0873 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.4763, 24.5823, 4.0873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

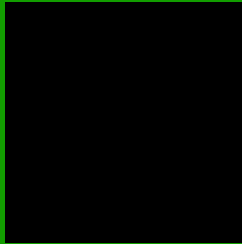
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4763, 24.5823, 4.0873

Background



This preview shows how black text looks on a background with the XYZ color 12.4763, 24.5823, 4.0873.



This preview shows how white text looks on a background with the XYZ color 12.4763, 24.5823,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.4763, 24.5823, 4.0873

Protanopia

21.6129, 24.0033, 3.4940

Deuteranopia

24.5855, 24.0999, 4.8693



Tritanopia

19.0756, 24.5996, 36.5437

Trichromacy



Original Color

12.4763, 24.5823, 4.0873



Protanomaly

15.4160, 22.5285, 3.5359



Deuteranomaly

16.4477, 22.1680, 4.1710



Tritanomaly

14.7310, 23.7509, 16.1199

Monochromacy



Original Color

12.4763, 24.5823, 4.0873



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.0402, 15.0460, 6.9324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4763, 24.5823, 4.0873 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(18, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 158, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(18, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.4763, 24.5823, 4.0873 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(18, 158, 0) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(18, 158, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(18, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 158, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4763, 24.5823, 4.0873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 158, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(18, 158,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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